



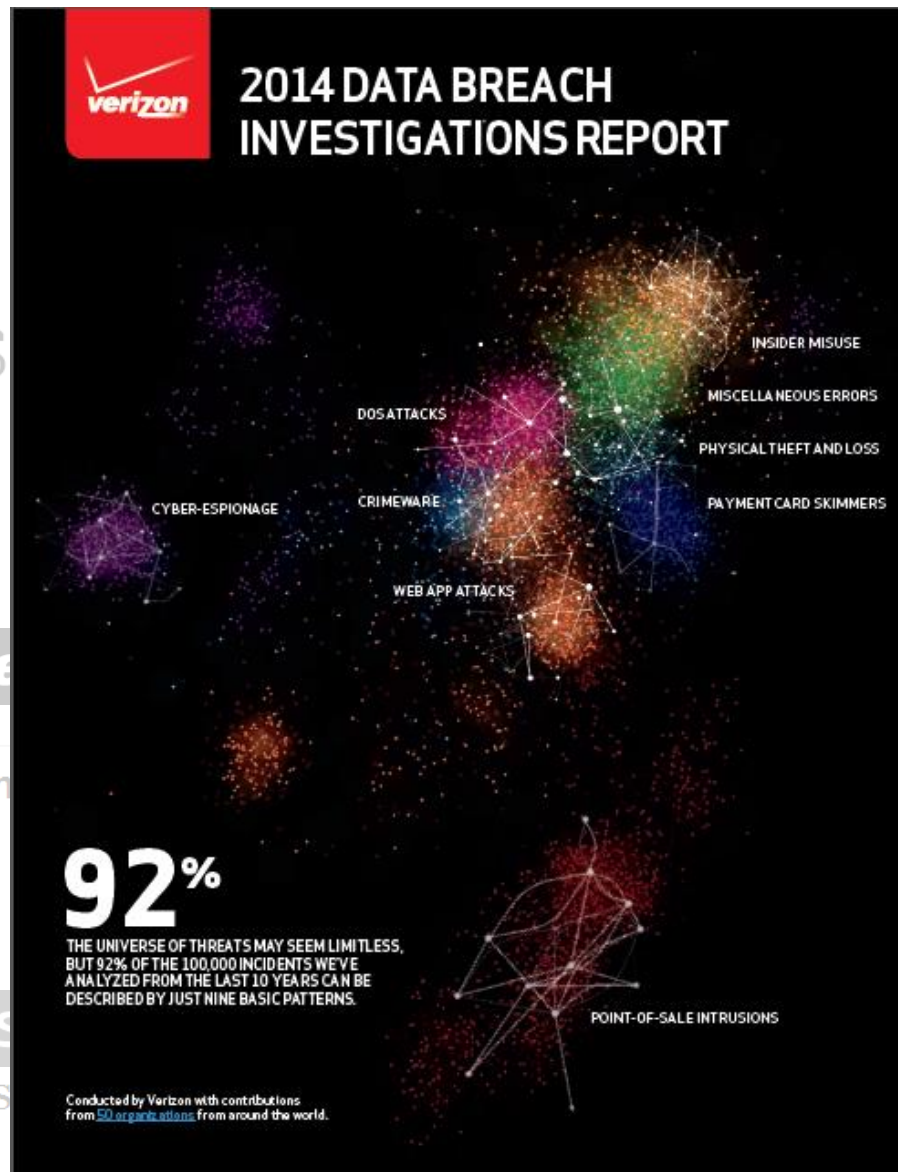
SafeNet Storage Security

Protecting Data That Matters,
Where It Matters

Joseph Pindar, CISSP

Senior Product Manager – Storage Security
SafeNet Inc.

News Is Full of Security Breaches...



Target CEO S
Breach

The Register

SECURITY

Hack on Saudi Aram
oil firm admits



REUTERS

Exclusive: Ins
cyber attack

users to change

STREET JOURNAL.

g Costs,
ollar Repair Bill

d to Have Been
hinese Internet



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COMPANY

Inside Data Theft Cases: Who steals the data?



- 79% of data theft was by a single person
- 44% of employers trust employees not to access confidential data
- Iron Mountain 1 in 3 have taken confidential information on more than one occasion.

LogRhythm

Iron Mountain

Is “Plan A” working?



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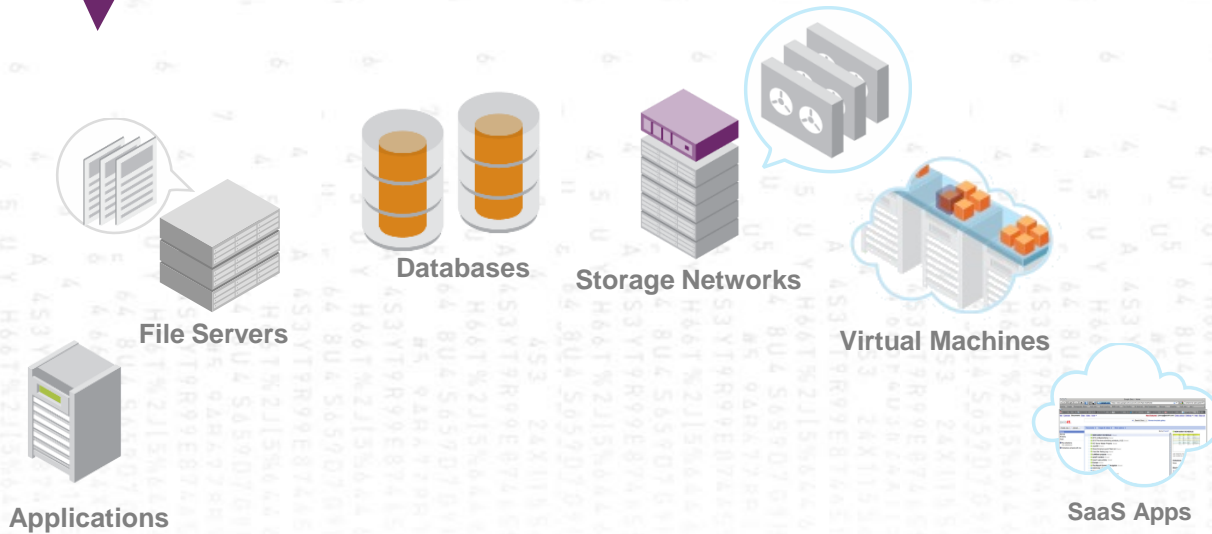
A New Mindset is Needed

- Sole Perimeter Security is No Longer Enough
- Insider Threat is Greater Than Ever
- Breaches Will Happen and We Must Prepare Differently

DATA IS THE NEW PERIMETER!

Protecting Your Data

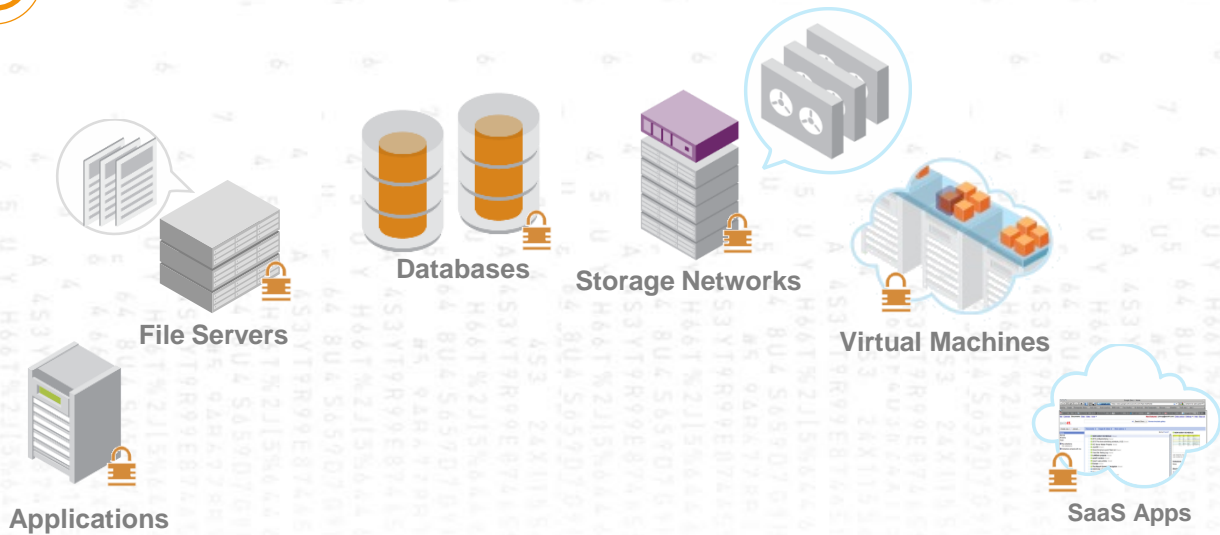
WHERE IS YOUR DATA?



Protecting Your Data

Encrypt Your Data

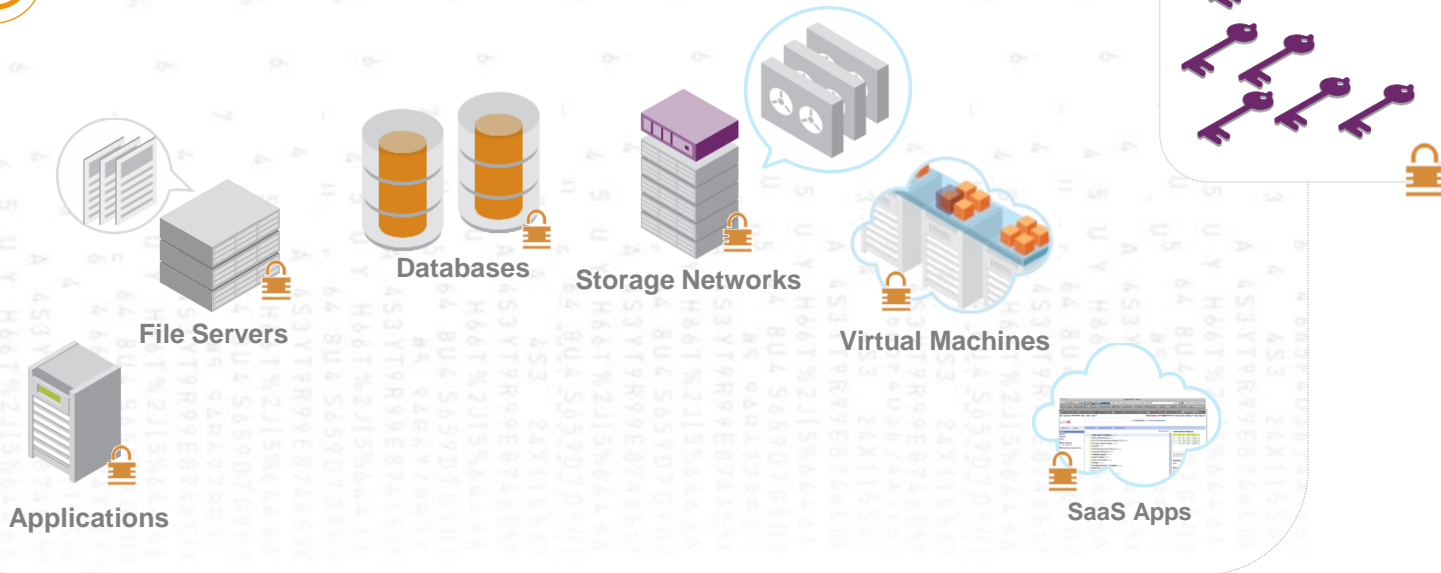
1



Protecting Your Data

Encrypt Your Data

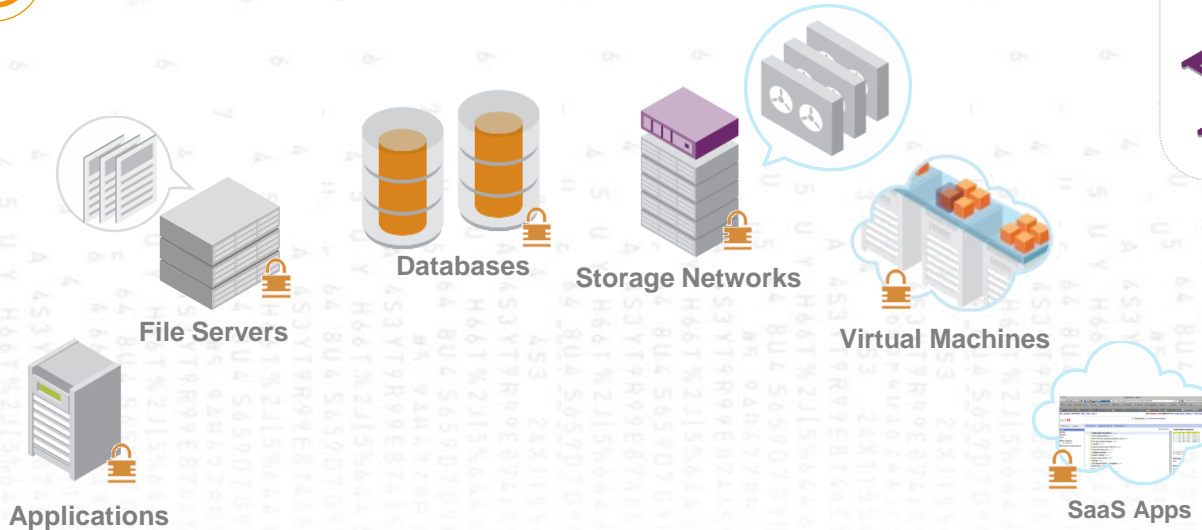
1



Protecting Your Data

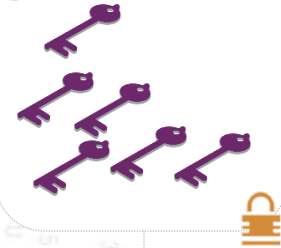
Encrypt Your Data

1



Secure & Manage Your Keys

2

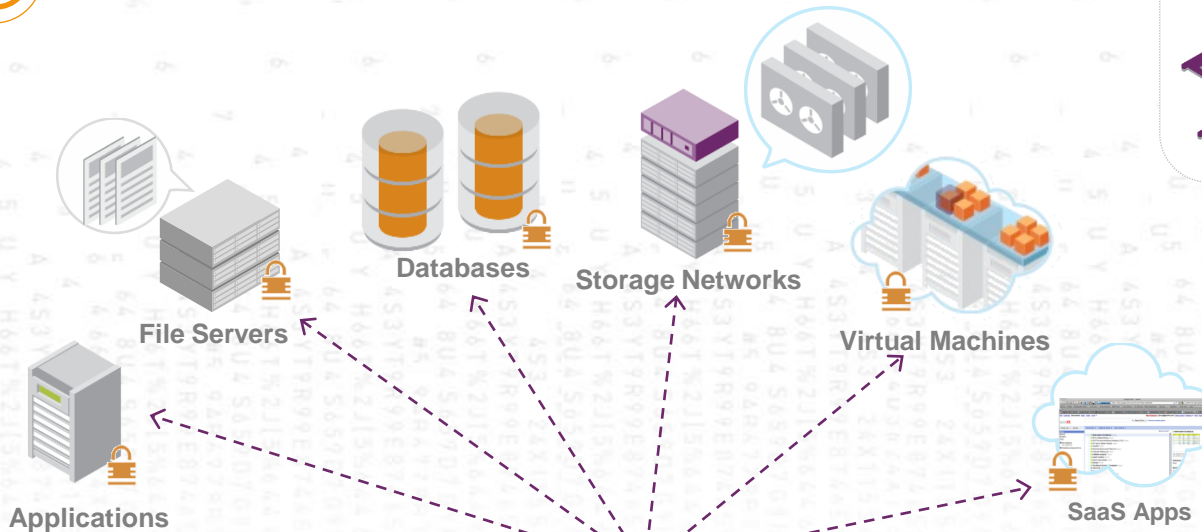


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Protecting Your Data

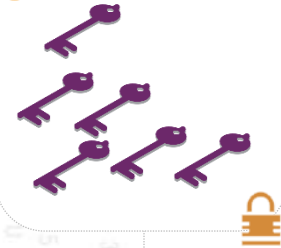
Encrypt Your Data

1



Secure & Manage Your Keys

2



WHO AND WHAT IS ACCESSING YOUR DATA



Internal Users +
Administrators



Cloud Providers
Admins/Superusers



Customers +
Partners



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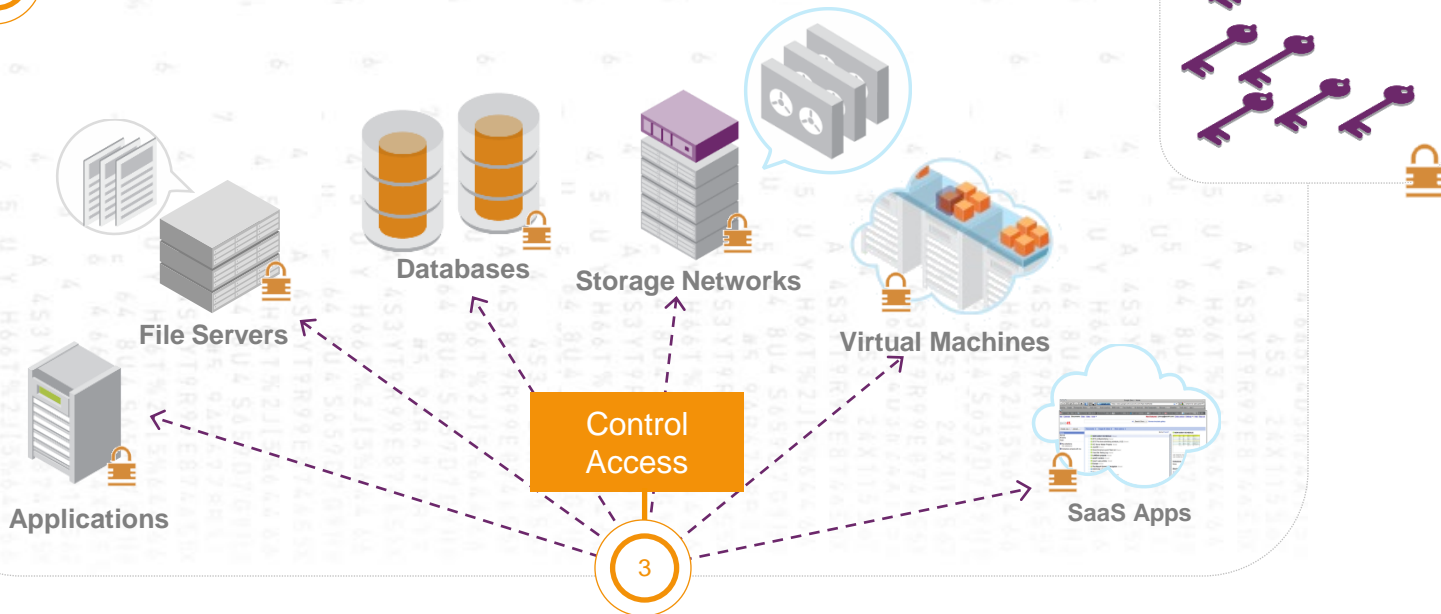
Protecting Your Data

Encrypt Your Data

1

Secure & Manage Your Keys

2



Internal Users +
Administrators



Cloud Providers
Admins/Superusers

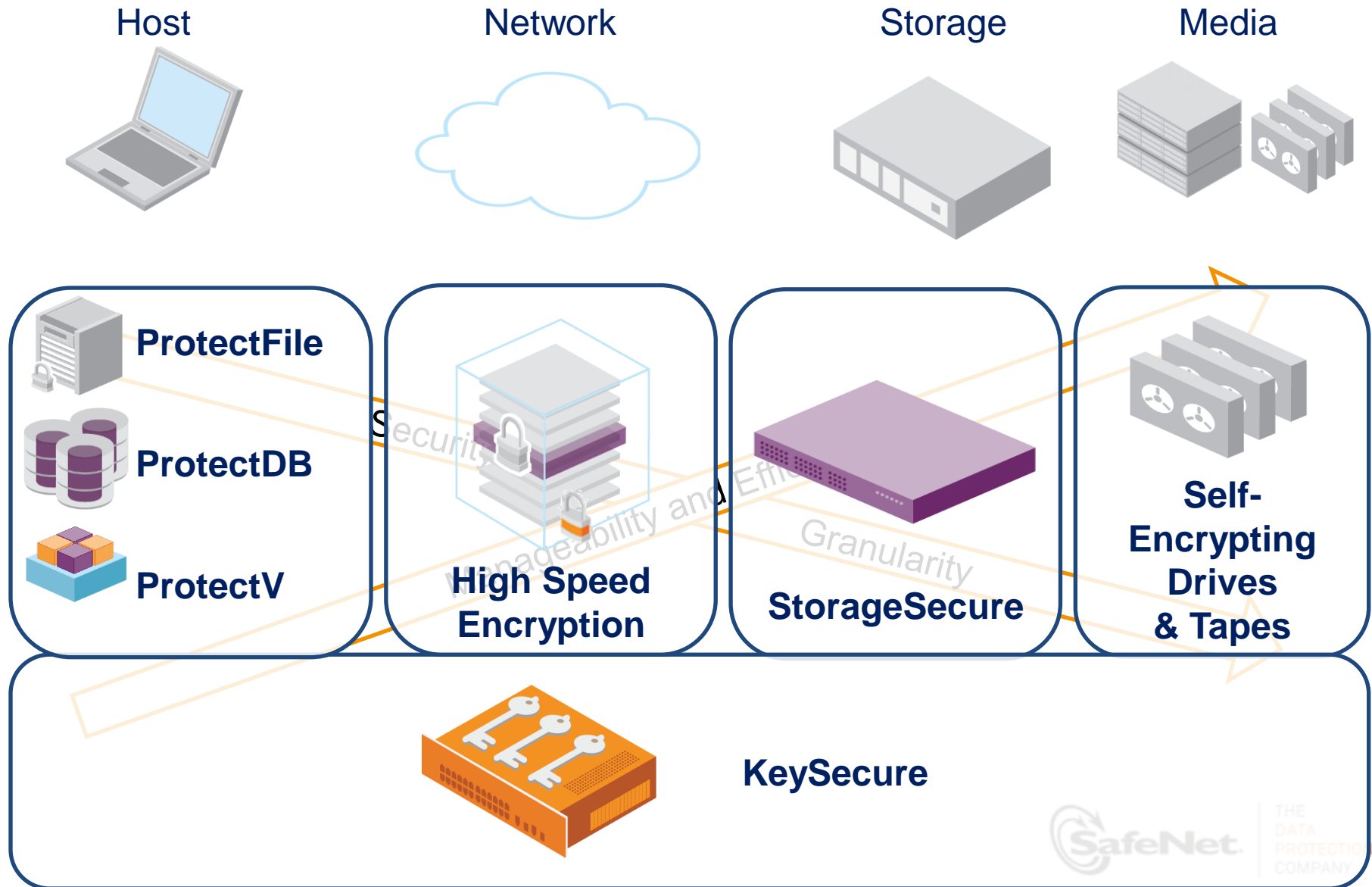


Customers +
Partners



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Where to Encrypt? What is Right For You?

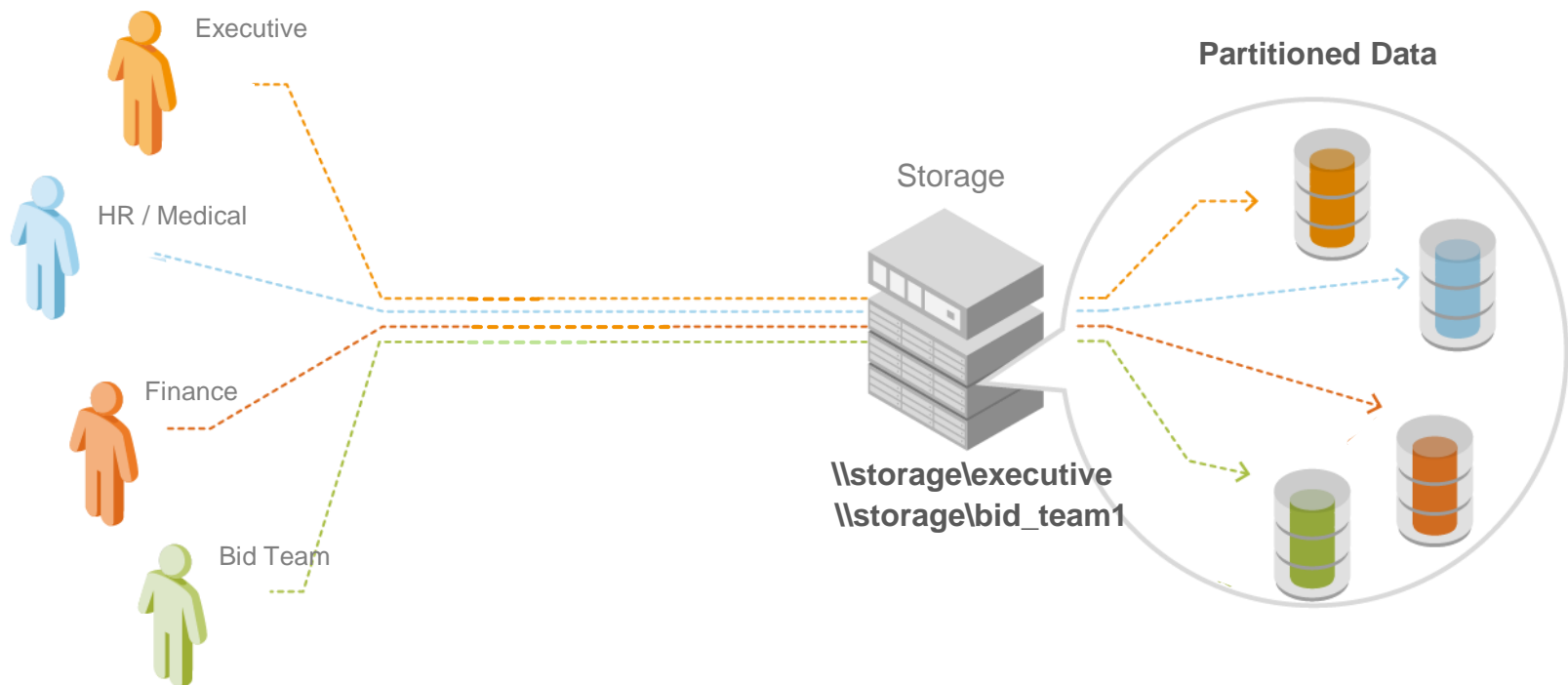


Security Market Trends In Oil And Energy

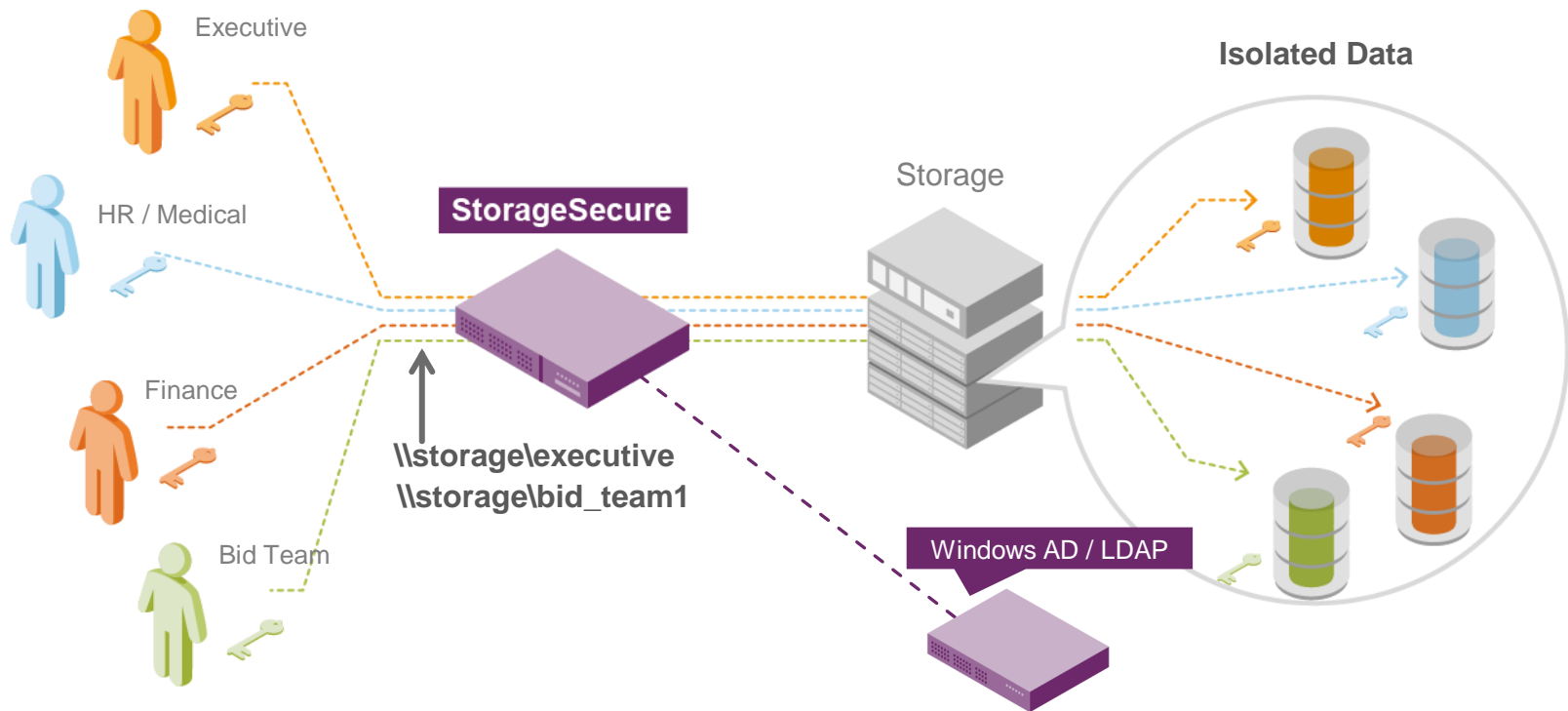
- Corporate Strategy
 - Executive reports and minutes
 - Bid teams
- Market Sensitive Data
 - Production data
 - Financial Results
- Processed Seismic Data *(depending on country)*
- Protecting Against Political Risk
- Centralised Management for Process Control Systems



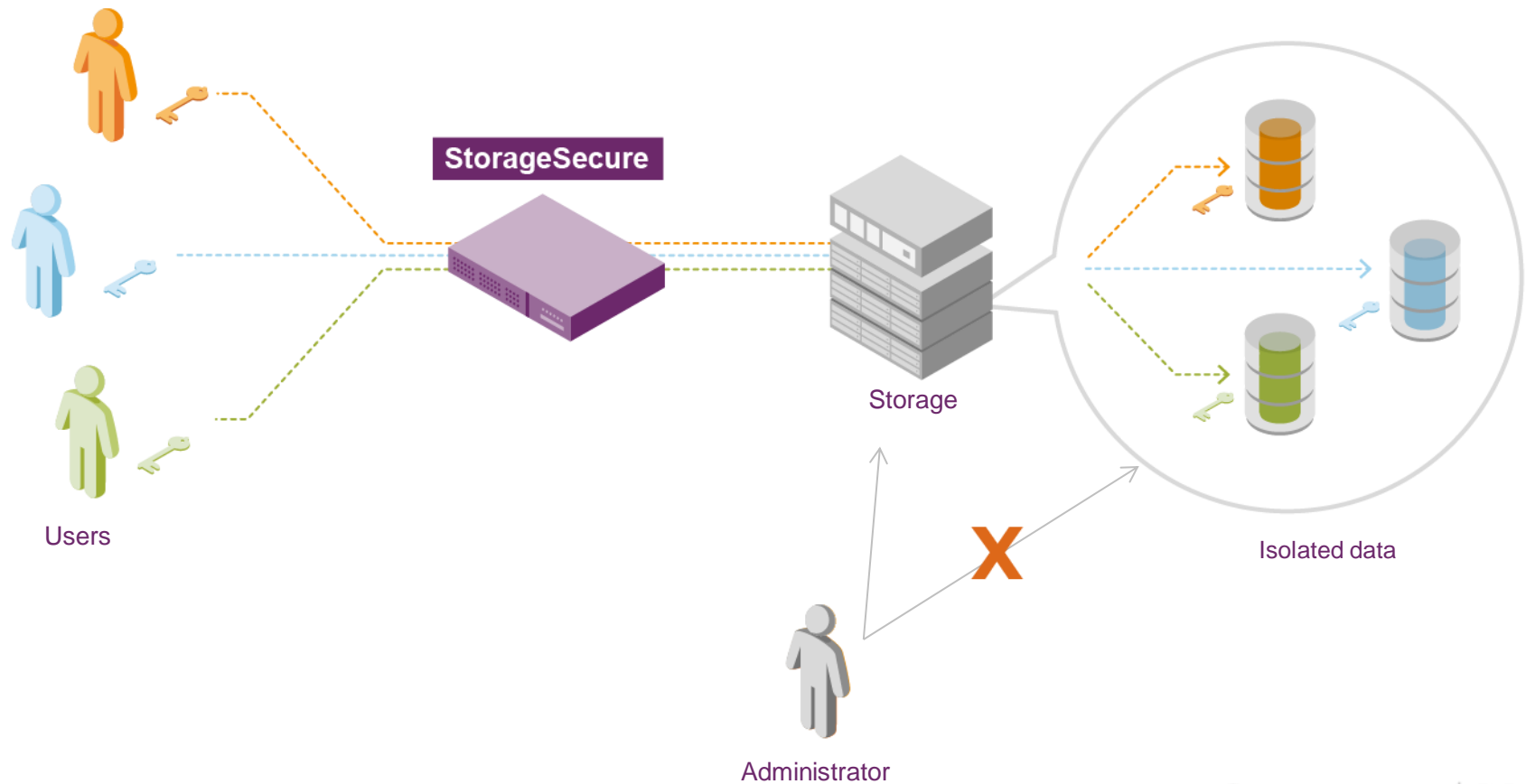
StorageSecure: Protecting Unstructured File Data



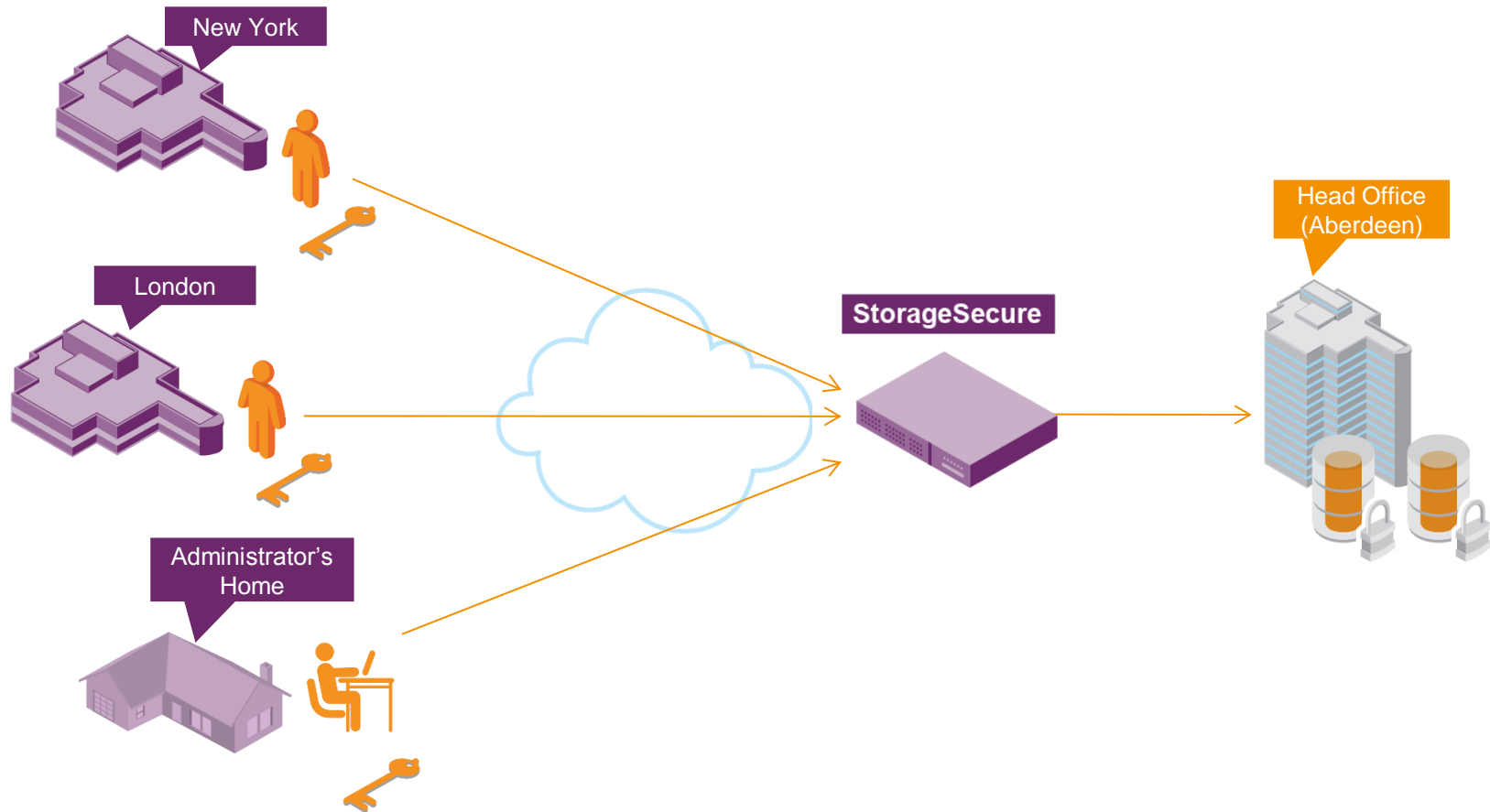
StorageSecure: Transparent “Bump in the Wire” Encryption



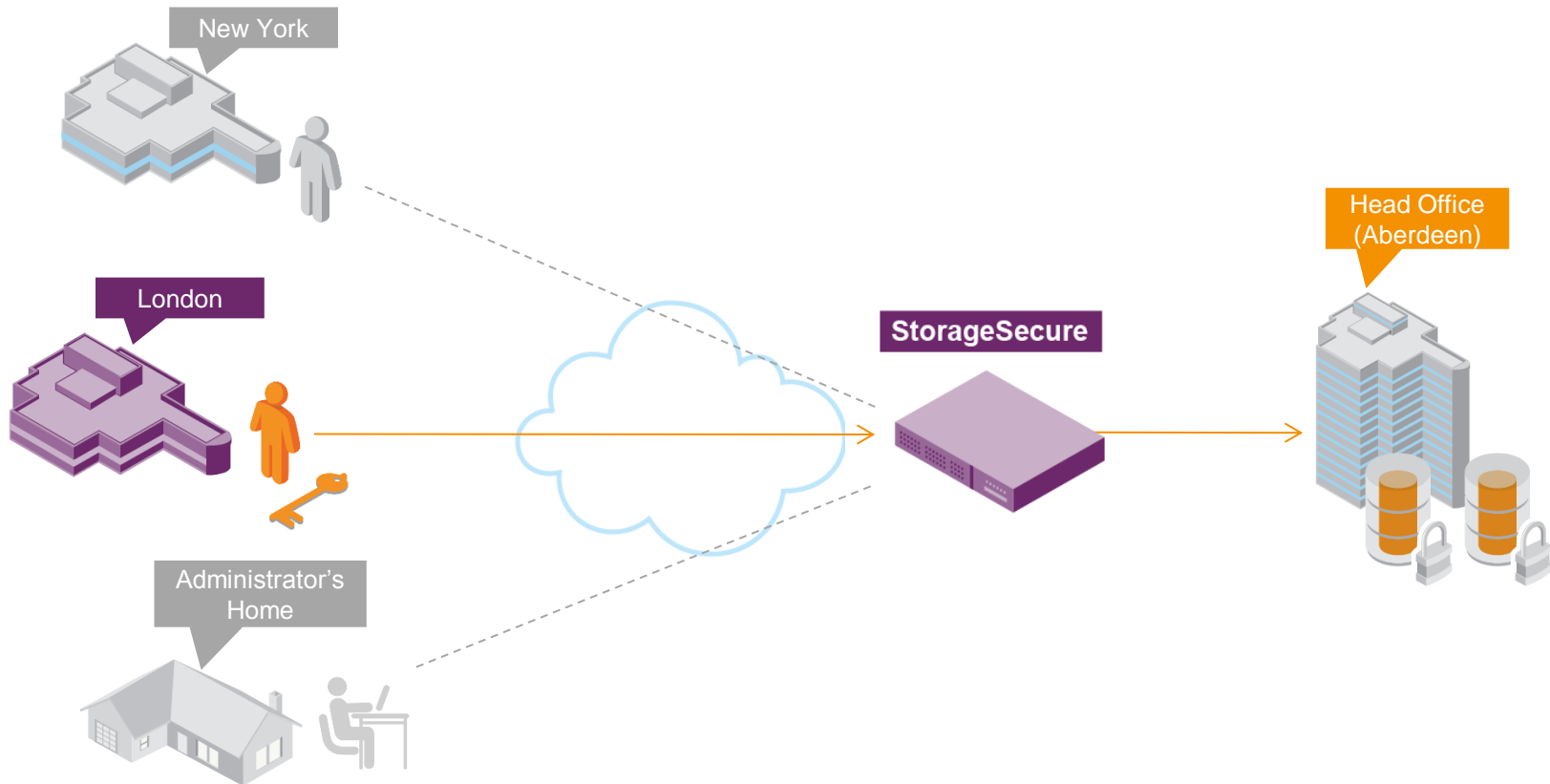
Protect Against a “Rogue Administrator”



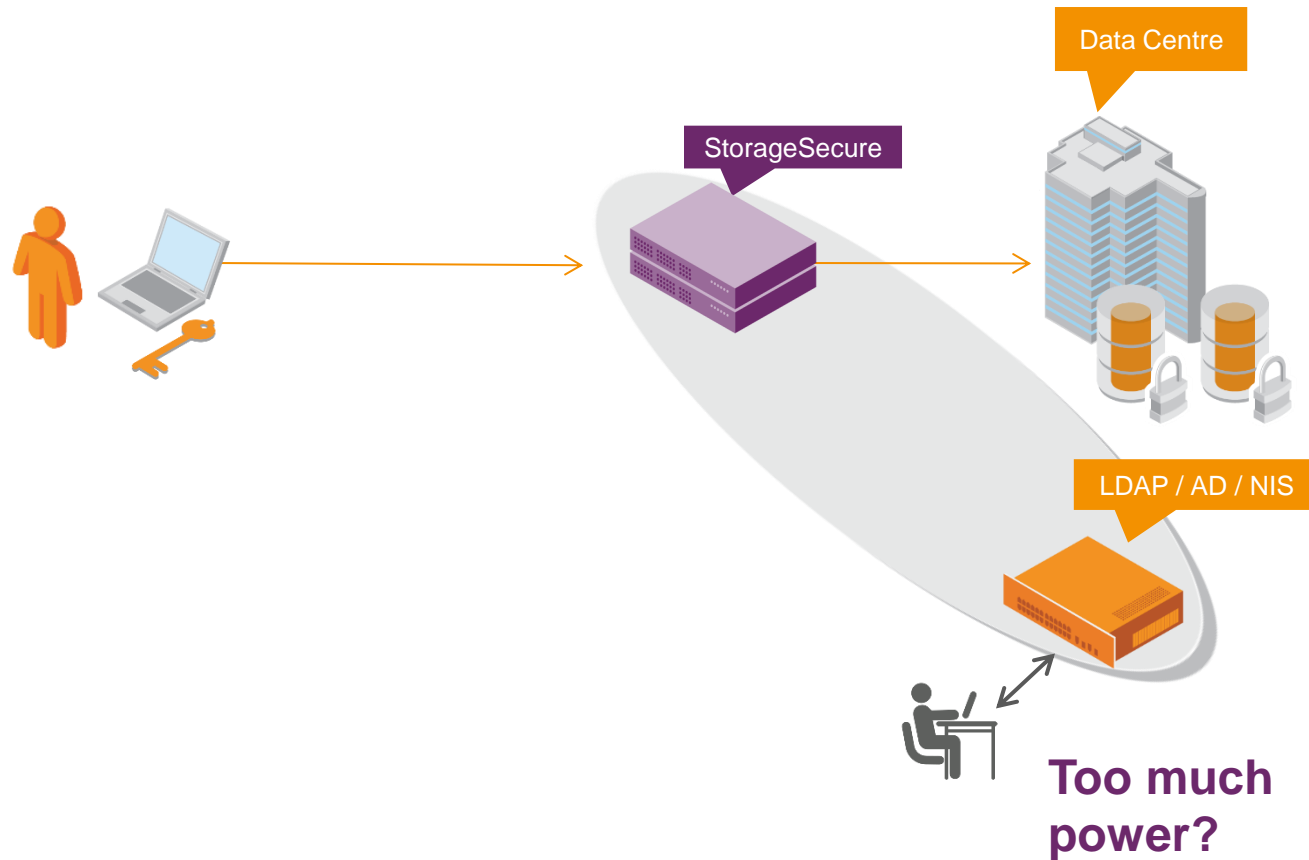
Where Can Sensitive Data Be Accessed?



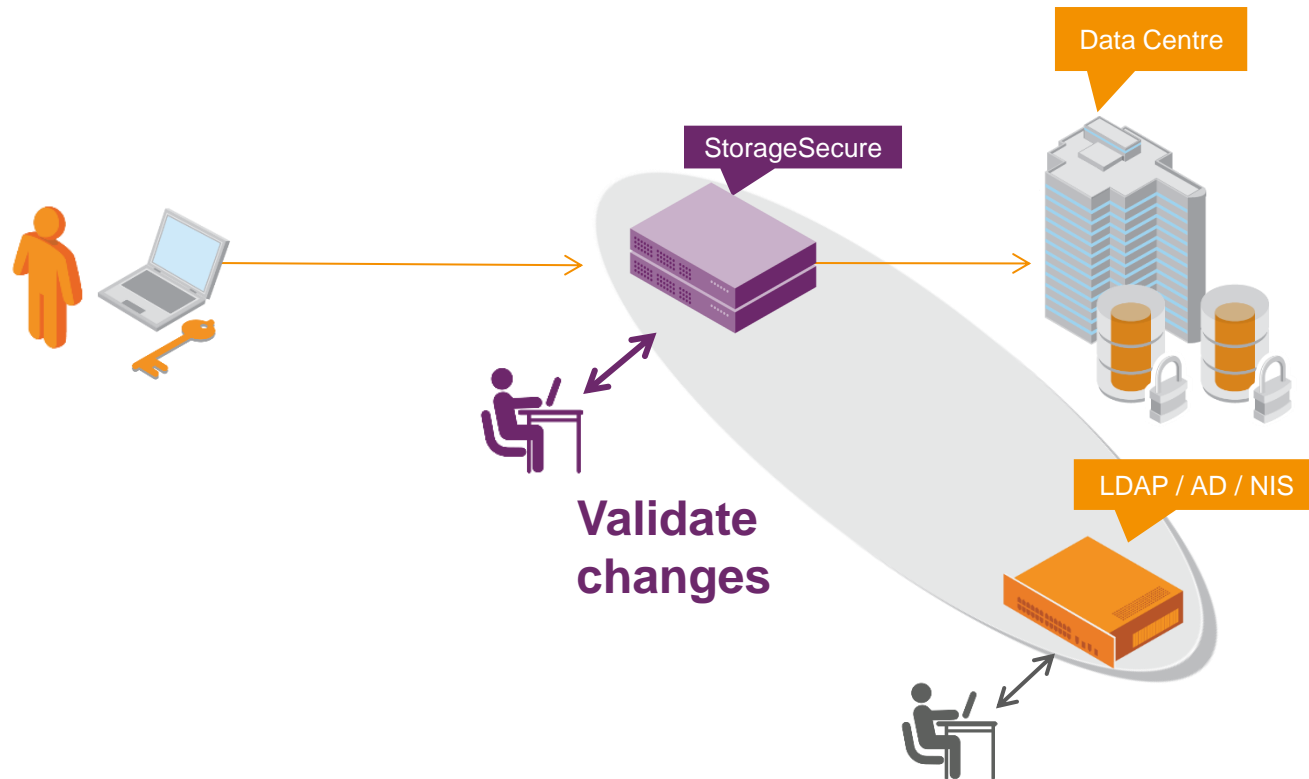
Where Can Sensitive Data Be Accessed?



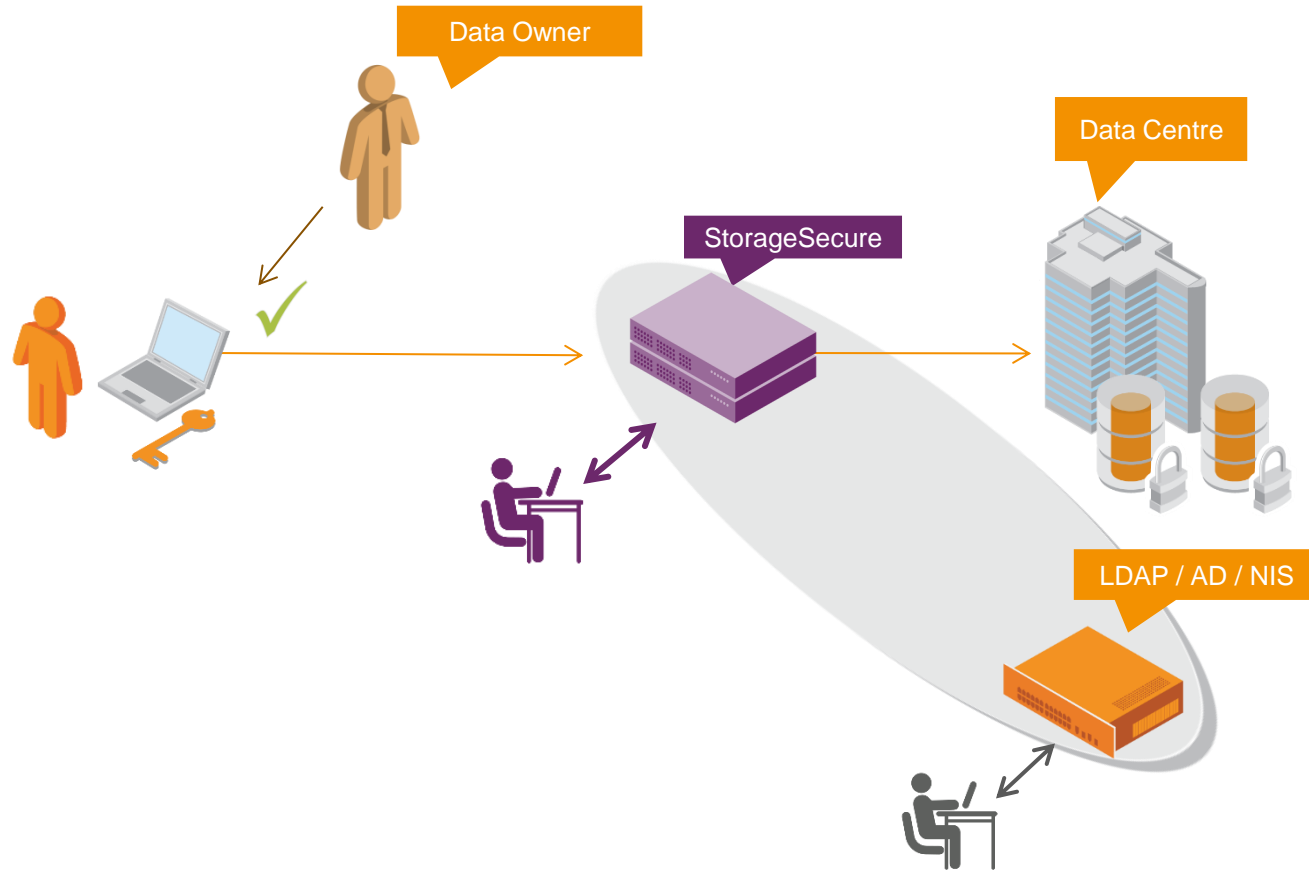
Do Administrators Have Too Much Power?



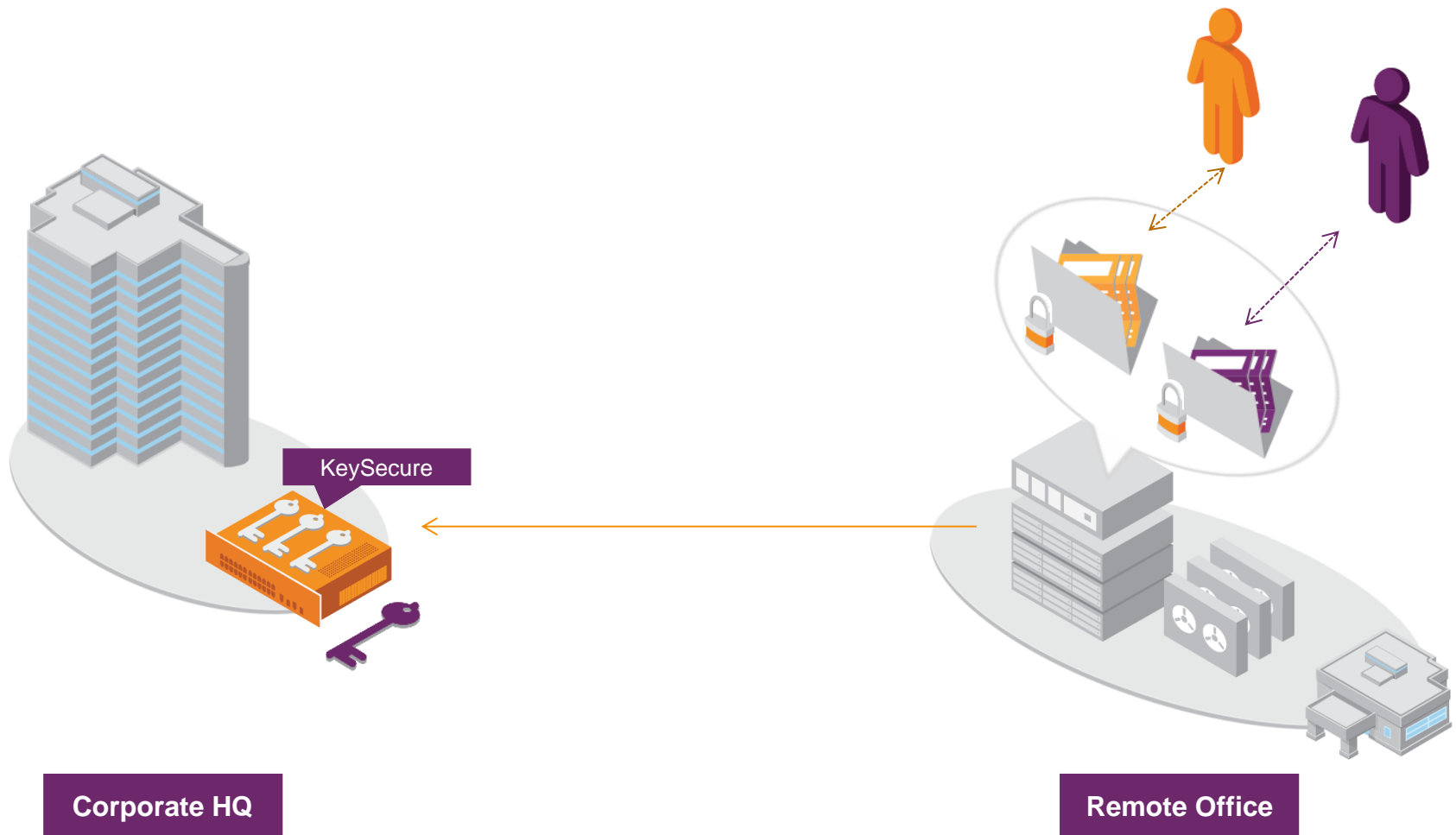
Separating Administrator Roles



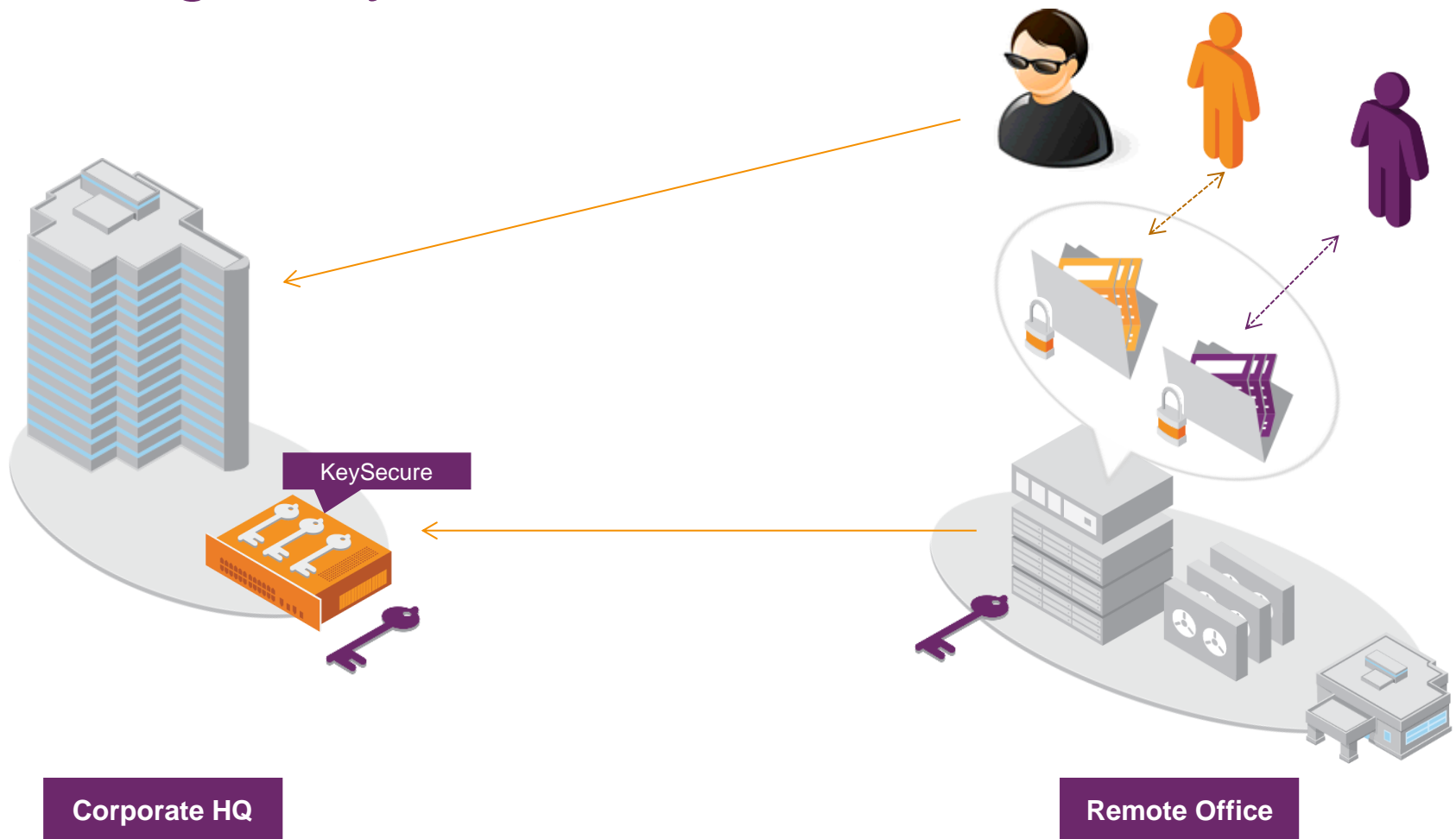
The Data Owner Decides Access



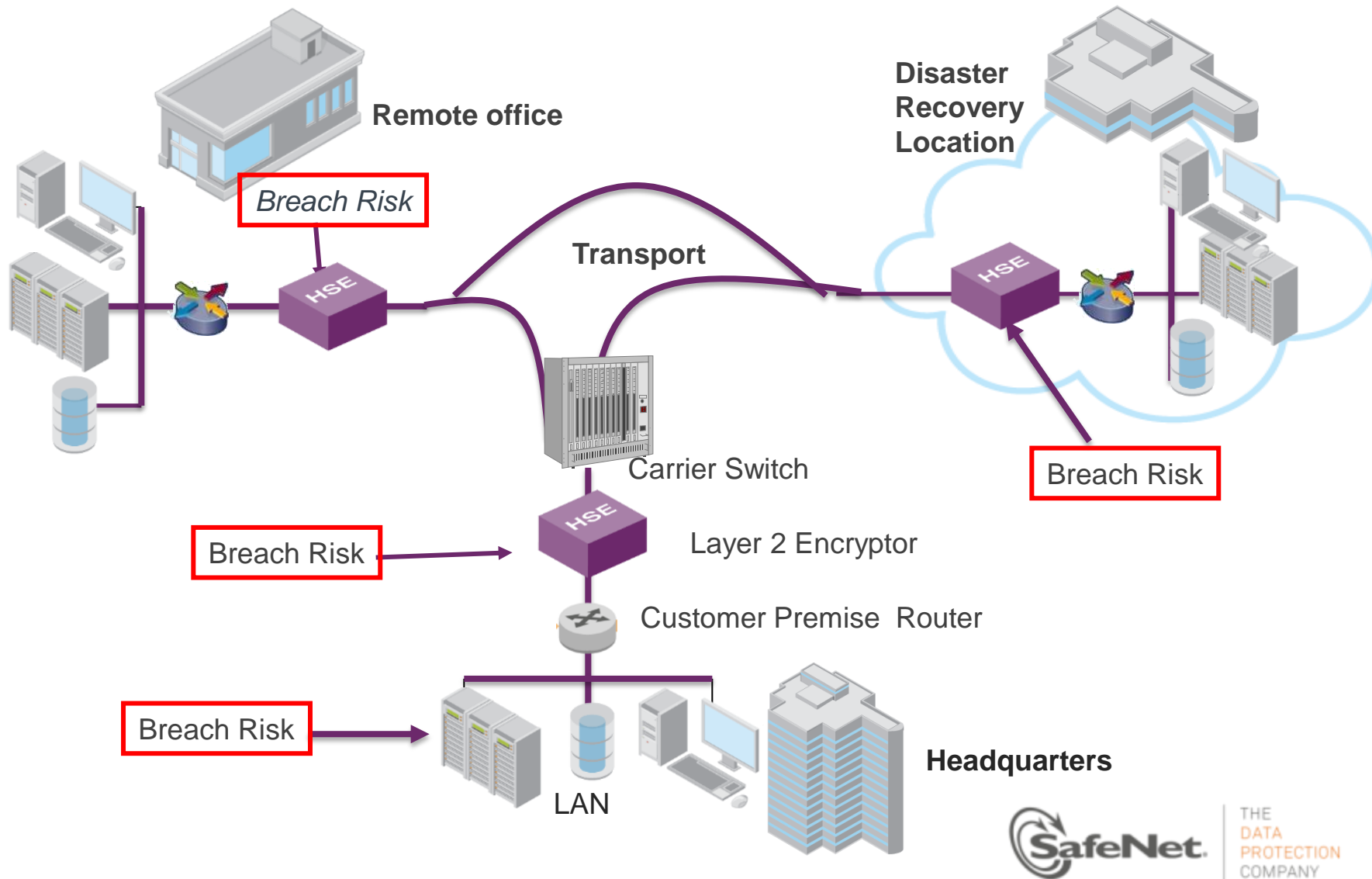
Protect Against Political Risk: Manage Keys from HQ



Protect Against Political Risk: Manage Keys from HQ



Centralised Management for Process Control Systems



SafeNet High Speed Encryptors

- ❑ The most secure data-in-motion protection
 - ❑ Certified security
 - ❑ Maximum performance
 - ❑ Near-zero overhead
 - ❑ “Set and forget” management
 - ❑ Low total cost of ownership



Your first choice for Layer 2 encryption to protect your data in motion, including time-sensitive voice and video streams, as well as metadata for enterprise and government organizations.

Use Case Summary

- Protect against rogue administrator
- Where can sensitive data be accessed?
- Validating administrator changes
- Allowing business data owners to confirm access
- Guarding against political risk
- Encrypting comms. links with low overhead

Why Customers Choose SafeNet Data Protection

Comprehensive Information Lifecycle Protection

More ways to protect data than any other vendor- in Databases, Applications, File Servers, Mainframes, Desktops, and more.

Trusted by the Largest Organizations for Critical Data Protection

Proven track record of protecting critical data and transactions –trillions of dollars in bank transfers, stored streaming videos, and from M1 tanks to Air Force One.

Confidence in the Most Certified Solutions

SafeNet has more FIPS 140-2 and Common Criteria certifications than any vendor, giving peace of mind to our customers.

High Performance for High Volume Deployment

For the largest enterprise deployments - dedicated hardware and optimized software scales to millions of protected records and trillions of transactions.

What We Do

SafeNet is trusted to **protect, control access to, and manage** the worlds most **sensitive data** and high value applications



We protect the **most money that moves**—over **80% of the world's intra-bank fund transfers** and nearly **\$1 trillion per day**.



We control access to the **most sensitive corporate information**—more than **35 million identities protected** via tokens, smartcards, and mobile devices managed on-premise and in the cloud.



We **monetize the most high-value software**—more than **100 million license keys** protect and manage on-premise, embedded, and cloud applications globally.



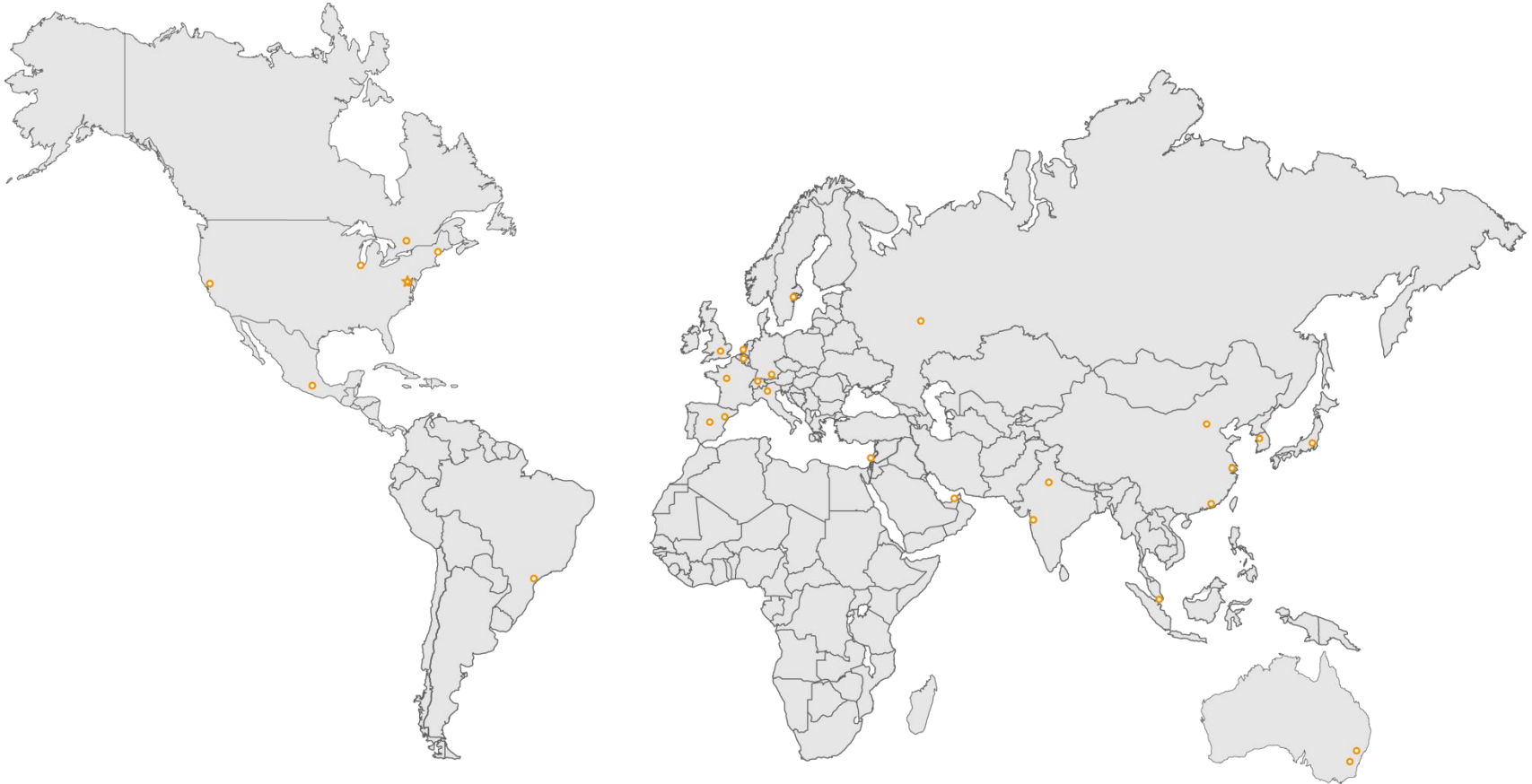
We are the **de facto root of trust**—deploying more than **86,000 key managers** and **protecting up to 750,000,000 encryption keys**.



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Where We Are

A global footprint: 1400+ employees across 25 countries





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Thank You

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